

SWIFT AGRI-CHEM CORPORATION/COLONIAL OIL
Savannah, Chatham County, Georgia
GAD006926430

SITE HISTORY AND CHARACTERISTICS:

* Swift Agricultural Corporation operated the site from the late 1950s to the late 1970 as a manufacturer of fertilizers and other agricultural chemicals.

* Approximately 3,700 cubic yards of waste sludge was either deposited in the two sludge ponds onsite or in the onsite sludge pile.

* In 1978, Colonial Oil Company purchased the property for use as a bulk liquid terminal. During its years of operation, Colonial Oil has handled caustics, oil, gasoline, pigmenting clays and solvents.

* In 1983 Colonial excavated the sludge in the ponds. The excavated sludge along with the onsite sludge was sent to the Chatham County Landfill.

PATHWAYS OF CONCERN:

GROUNDWATER:

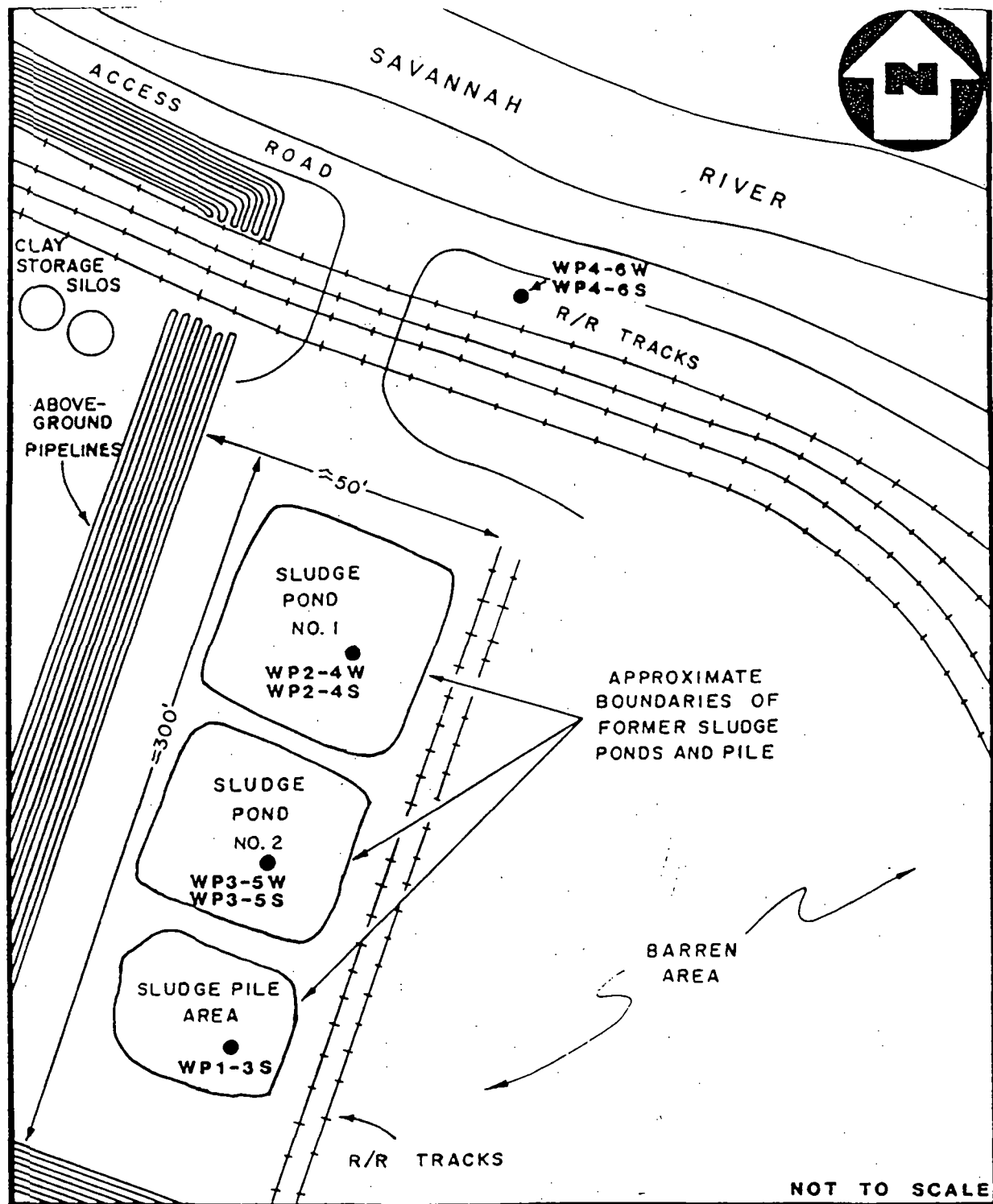
- 1984 Site Investigation conducted by NUS Corporation revealed the following results for samples obtained from temporary wells installed in the sludge ponds:

WP2-4W	WP4-6W	WP3-5W
MEK 20ug/l	Acetone 30ug/l	Acetone 50 ug/l
Acetone 60ug/l	Isopropanol 30ug/l	2,4 DNT 890 ug/l
lead 4.1mg/l	Copper 7.3 mg/l	Mercury 25 ug/l
	Cyanide 77 ug/l	Cyanide 420 ug/l

- Approximately 90,218 obtained from municipal water supply completed in the Floridan Aquifer. The site scores on the groundwater pathway and its potential targets.



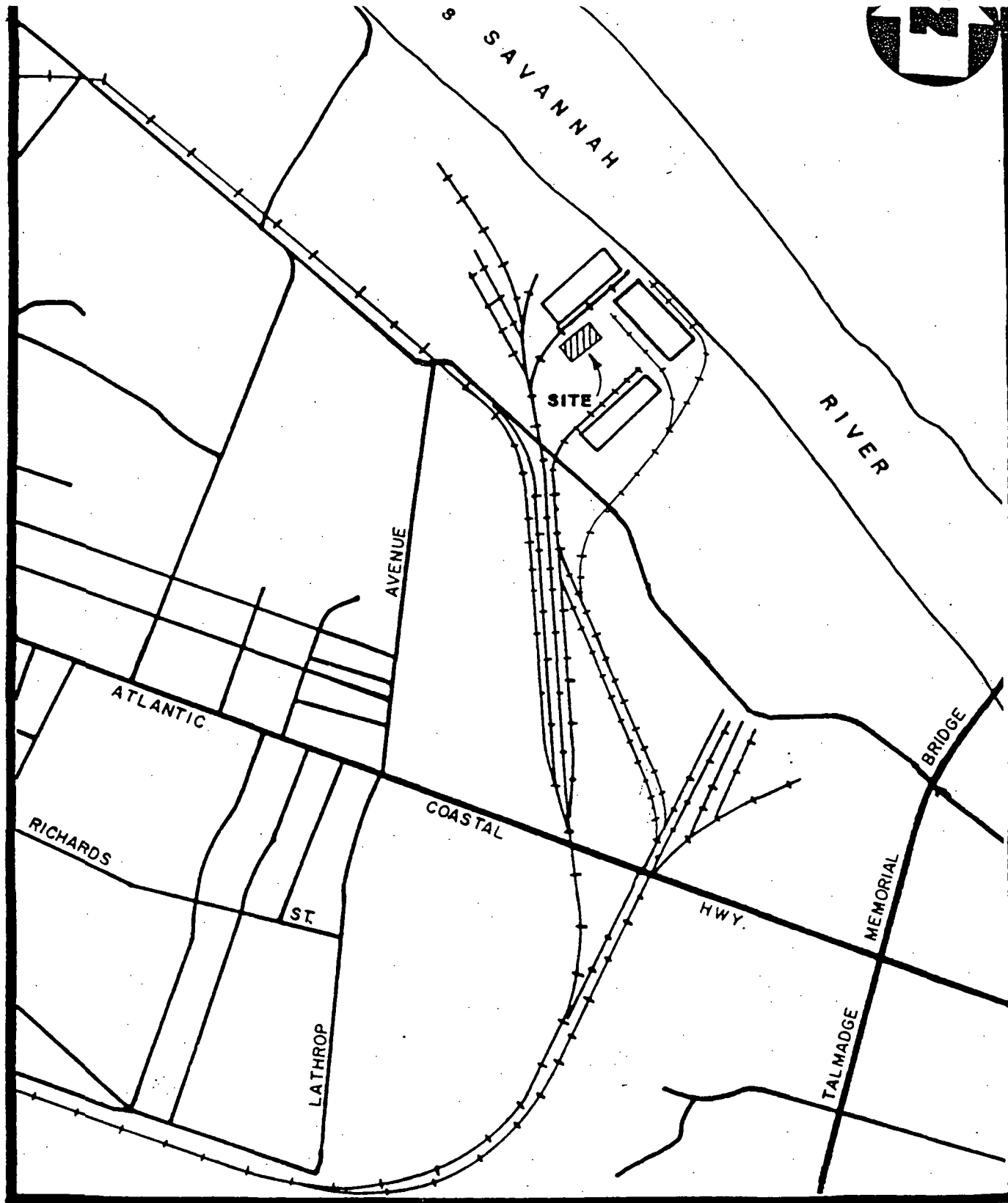
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**SITE SKETCH AND LOCATION
OF SAMPLE POINTS
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA**

FIGURE 2





**SITE LOCATION
SWIFT AGRICULTURAL CORP.
SAVANNAH, GA.**

FIGURE 1



TABLE II
ORGANIC ANALYSES
WATER SAMPLES
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN UG/L)

<u>Compound</u>	<u>Pond No. 1 WP2-4W</u>	<u>Pond No. 2 WP3-5W</u>	<u>Between Site and Savannah River WP4-6W</u>
4,4'-DDT (P,P'-DDT)*	0.38	-	-
Methylene chloride*	12	12	10
Toluene*	4(A)	-	3(A)
Trichloroethene*	-	10	-
Acetone	60(A)	50(A)	30(A)
Methyl ethyl ketone	20(A)	-	-
Isopropanol	-	6(B)	30(B)
2,4-dinitrotoluene*	-	890	-
Pyrene*	-	8(A)	-

* Priority Pollutant

(A) Estimated Value

(B) Value was estimated and detection was based upon the presumptive evidence of presence of material.

- Material was analyzed for but not detected.

Note: Data has not been subjected to a Quality Control Review.
Data should be limited to site screening.

TABLE III
ORGANIC ANALYSES
SOIL SAMPLES (DRY WEIGHT)
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN UG/KG)

Compound	Sludge Pile WP1-3S	Pond No. 1 WP2-4S	Pond No. 2 WP3-5S	Between Site and Savannah River WP4-6S
Methylene chloride*	51	20(A)	23(A)	56
Tetrachloroethene*	13(A)	-	-	-
Toluene*	-	-	-	7(A)
Acetone	-	100(A)	100(A)	300(A)
Methylethylketone	-	100(A)	100(A)	100(A)
Isopropanol	-	-	-	80(B)
1 Unidentified compound	-	1000(A)	-	800(A)

* Priority Pollutant

(A) Estimated Value

(B) Value estimated and detection was based upon the presumptive of presence of material.

- Material was analyzed for but not detected.

Note: Data has not been subjected to a Quality Control Review.
Data should be limited to site screening.

TABLE IV
INORGANIC ANALYSES
WATER SAMPLES
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN UG/L)

<u>Constituents</u>	<u>Pond No. 1 WP2-4W</u>	<u>Pond No. 2 WP3-5W</u>	<u>Between Site and Savannah River WP4-6W</u>
Silver*	8	6	-
Arsenic*	63	95	-
Barium	1,900	1,300	350
Beryllium*	5	5	17
Cadmium*	10	5	27
Cobalt	30	41	400
Chromium*	330	340	270
Copper*	570	480	7,200
Nickel*	120	150	300
Lead*	4,100	2,300	240
Antimony*	640	460	470
Vanadium	280	280	290
Zinc*	2,700	2,600	20,000
Mercury*	32	25	-
Aluminum	2,800,000	2,500,000	640,000
Manganese	3,400	2,700	3,000
Calcium	7,500,000	7,300,000	280,000
Magnesium	1,400,000	1,200,000	36,000
Iron	1,300,000	1,400,000	130,000
Sodium	39,000	25,000	47,000
Potassium	56,000	7,300,000	86,000
Cyanide*	5	420	77

* Priority Pollutant

- Material was analyzed for but not detected.

Note: Data has not been subjected to a Quality Control Review.
Data should be limited to site screening.

TABLE V
INORGANIC ANALYSES
SOIL SAMPLES (DRY WEIGHT)
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN MG/KG)

<u>Constituent</u>	<u>Sludge Pile WP1-3S</u>	<u>Pond No. 1 WP2-4S</u>	<u>Pond No. 2 WP3-5S</u>	<u>Between Site and Savannah River WP4-6S</u>
Silver*	-	4.6	-	2.9
Arsenic*	-	-	4.2	-
Barium	31	35	26	13
Beryllium*	-	0.9	0.8	0.9
Cobalt	-	4.4	-	-
Chromium*	13	14	10	6.9
Copper*	-	8.7	6.1	19
Nickel*	-	-	9.2	-
Lead*	40	26	39	13
Antimony*	34	24	-	23
Vanadium	12	15	13	9
Zinc*	26	23	62	20
Mercury*	0.2	0.3	0.3	-
Aluminum	7,500	6,400	8,300	4,200
Manganese	34	23	45	12
Calcium	8,100	1,500	4,900	410
Magnesium	41	43	640	240
Iron	3,800	4,000	5,600	3,700
Sodium	200	22	150	150
Potassium	1,800	1,600	3,100	1,200

* Priority Pollutant

- Material was analyzed for but not detected.

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